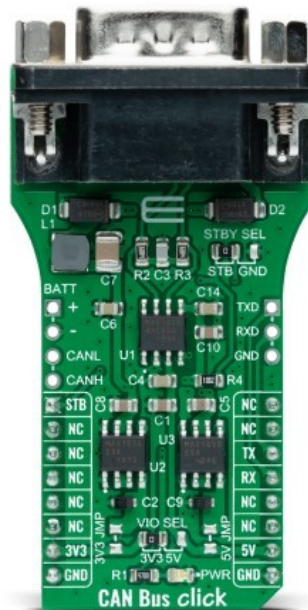


CAN Bus Click



PID: MIKROE-4640

CAN Bus Click is a compact add-on board that provides a link between the CAN protocol controller and the physical wires of the bus lines in a control area network (CAN). This board features the [MAX13054](#), an industry-standard, high-speed CAN transceiver with extended $\pm 80V$ fault protection from [Analog Devices](#). The CAN transceiver has an input common-mode range greater than $\pm 12V$ with data rates up to 1Mbps, exceeding the ISO11898 specification of -2V to +7V, and feature $\pm 8kV$ ESD protection. It also comes with a Standby feature that shuts off the transmitter and switches the receiver to a low-current/low-speed state. This Click board™ is suitable for harsh industrial environments and industrial network applications where overvoltage protection is required.

CAN Bus Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	CAN
Applications	Can be used for harsh industrial environments and industrial network applications where overvoltage protection is required
On-board modules	MAX13054 - $\pm 80V$ fault-protected CAN-transceiver ideal for industrial network applications that require overvoltage protection from Maxim Integrated
Key Features	Fully compatible with the ISO11898 standard, $\pm 80V$ fault protection, high-speed operation of up to 1Mbps, low-current Standby mode, transmit data dominant timeout, and more.
Interface	UART
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V, External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[MAX1658/59 datasheet](#)

[MAX13054 datasheet](#)

[CAN Bus click 2D and 3D files](#)

[CAN Bus click schematic](#)

[CAN Bus click example on Libstock](#)

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